FIG. 1

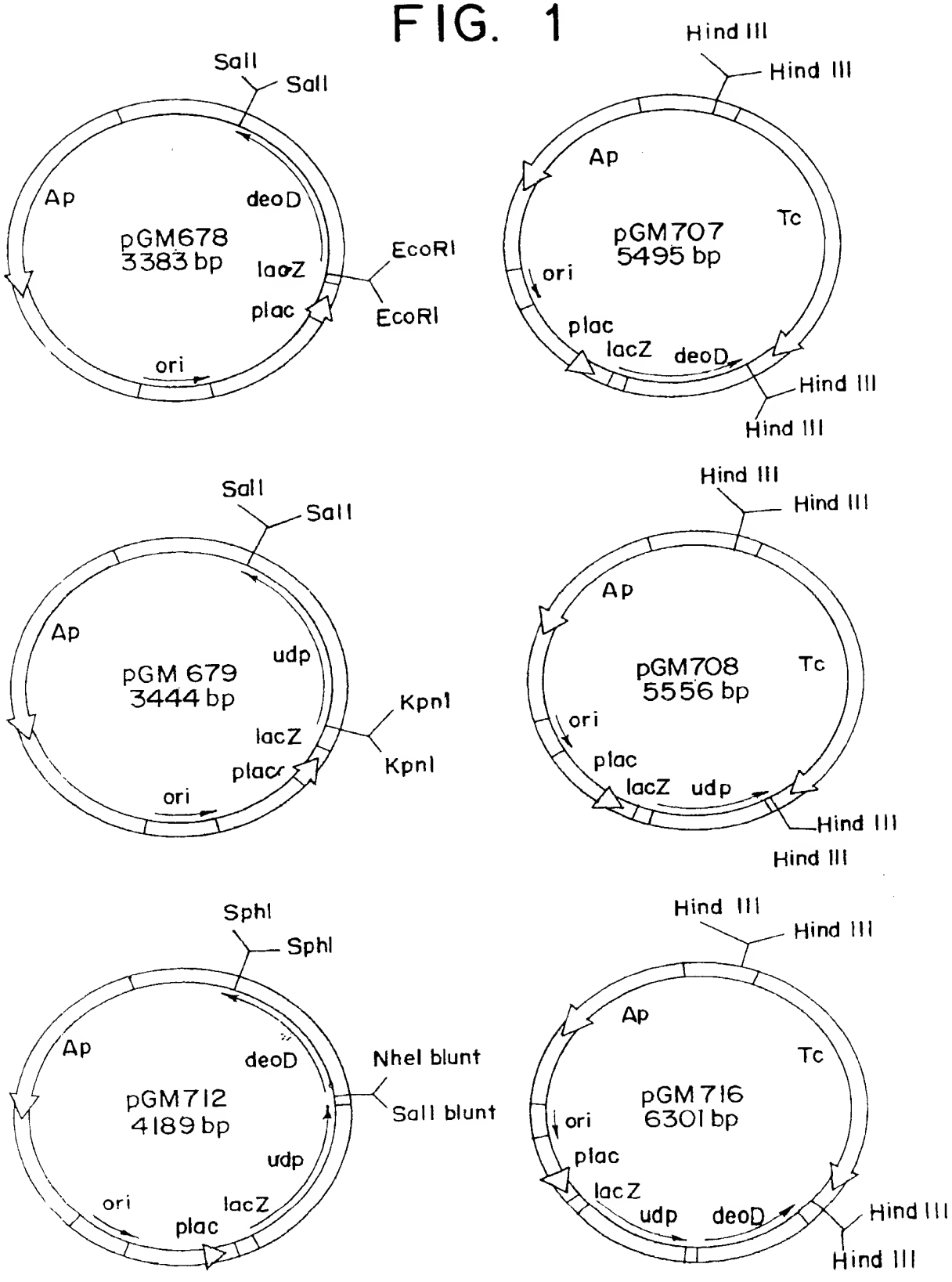

SalI
SalI
Ap
deoD
pGM678
3383 bp
lacZ
EcoRI
plac
EcoRI
ori
Hind III
Hind III
Ap
Tc
pGM707
5495 bp
ori
plac
lacZ
deoD
Hind III
Hind III
SalI
SalI
Ap
udp
pGM 679
3444 bp
KpnI
lacZ
plac
KpnI
ori
Hind III
Hind III
Ap
Tc
pGM708
5556 bp
ori
plac
lacZ
udp
Hind III
Hind III
SphI
SphI
Ap
deoD
pGM712
4189 bp
NheI blunt
SalI blunt
udp
ori
lacZ
plac
Hind III
Hind III
Ap
Tc
pGM716
6301 bp
ori
plac
lacZ
udp
deoD
Hind III
Hind III

FIG. 2A

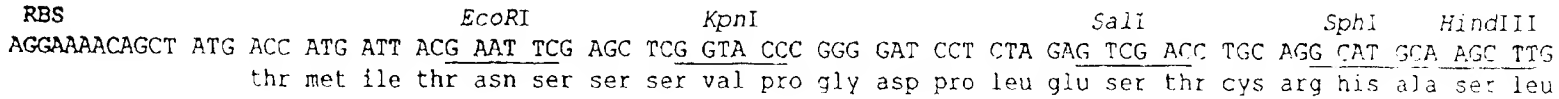


FIG. 2B

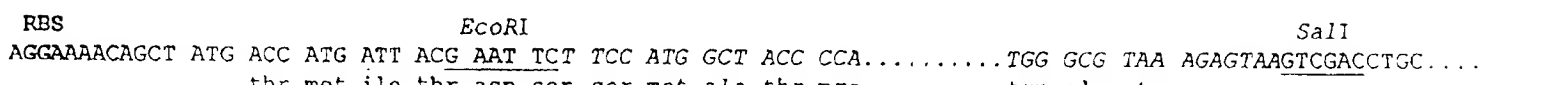


FIG. 2C

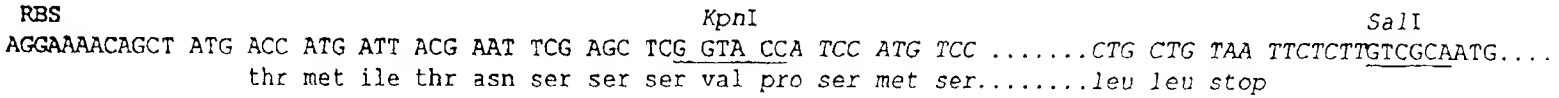


FIG. 2D

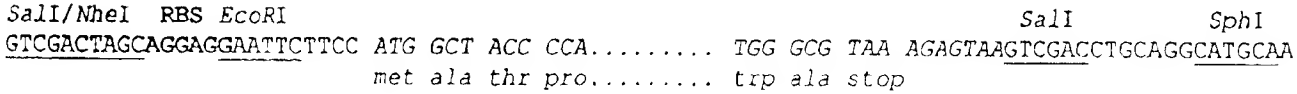


FIG. 3A

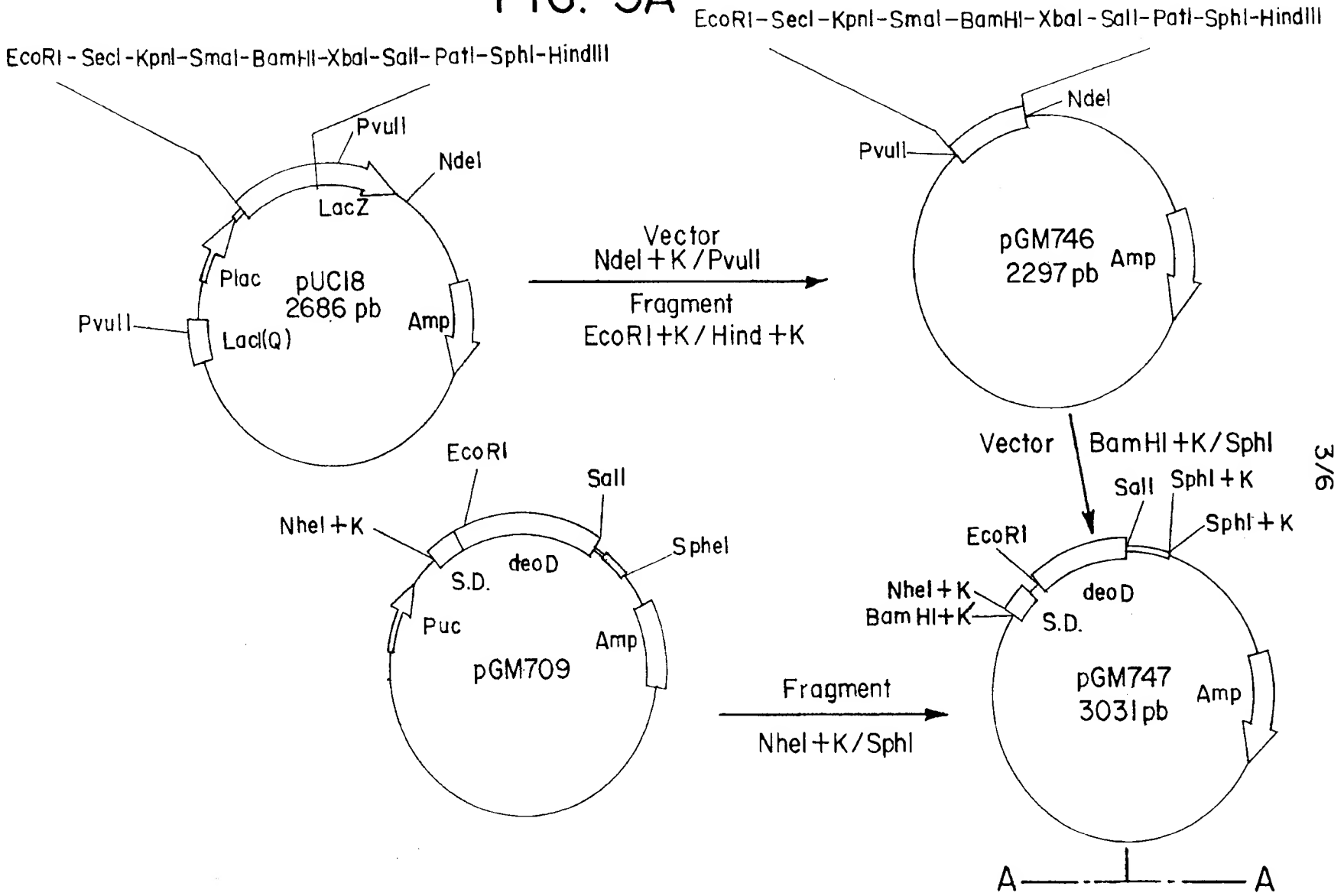

EcoRI - SecI - KpnI - SmaI - BamHI - XbaI - SalI - PstI - SphI - HindIII
PvuII
NdeI
LacZ
Plac
pUC18
2686 pb
Amp
PvuII
LacI(Q)
Vector
NdeI + K / PvuII
Fragment
EcoRI + K / Hind + K
EcoRI - SecI - KpnI - SmaI - BamHI - XbaI - SalI - PstI - SphI - HindIII
NdeI
PvuII
pGM746
2297 pb
Amp
Vector
BamHI + K / SphI
SalI
SphI + K
SphI + K
EcoRI
EcoRI
SalI
NheI + K
SphI
deoD
S.D.
Puc
Amp
pGM709
NheI + K
BamHI + K
S.D.
deoD
pGM747
3031 pb
Amp
Fragment
NheI + K / SphI
A
A

FIG. 3B

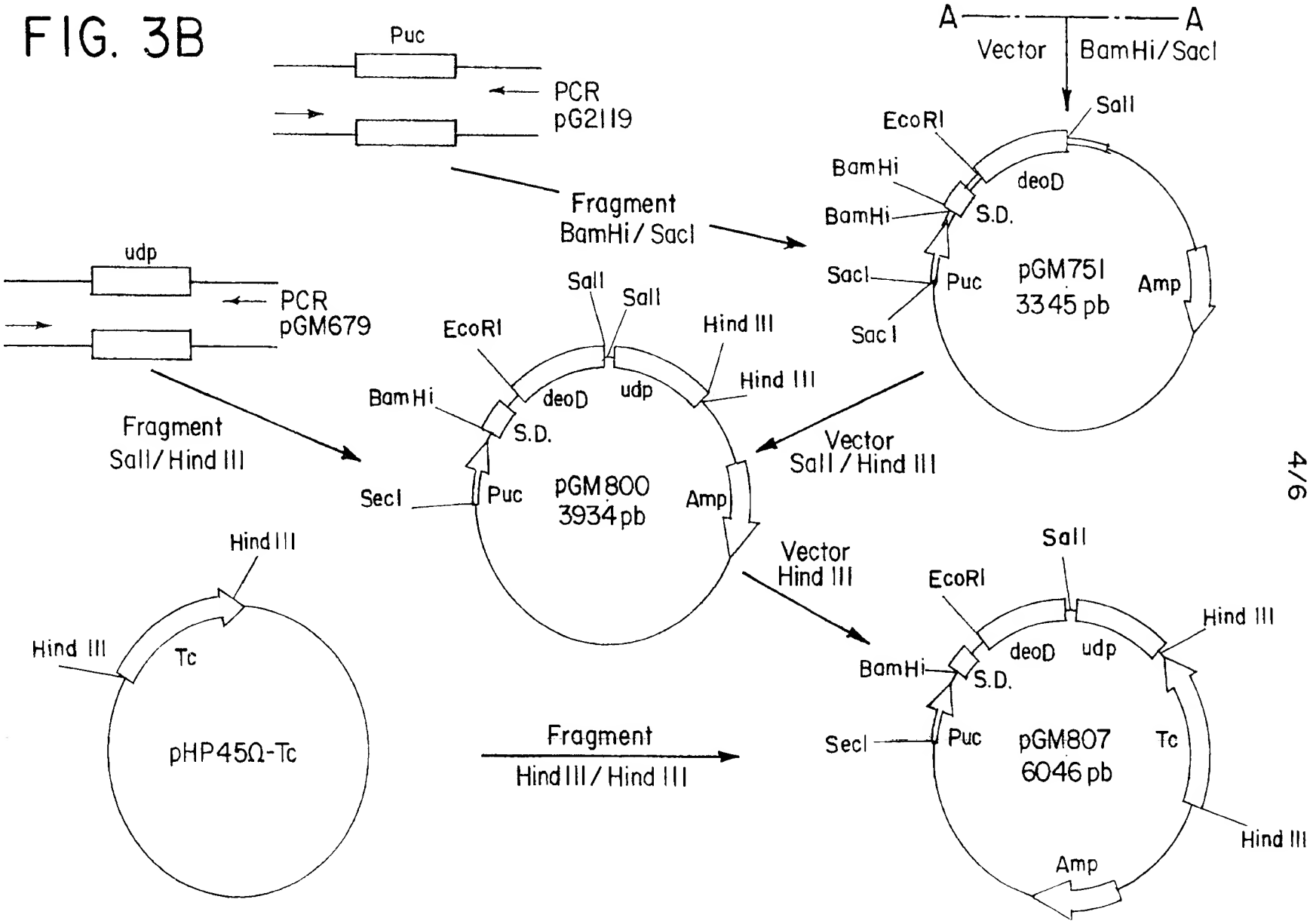
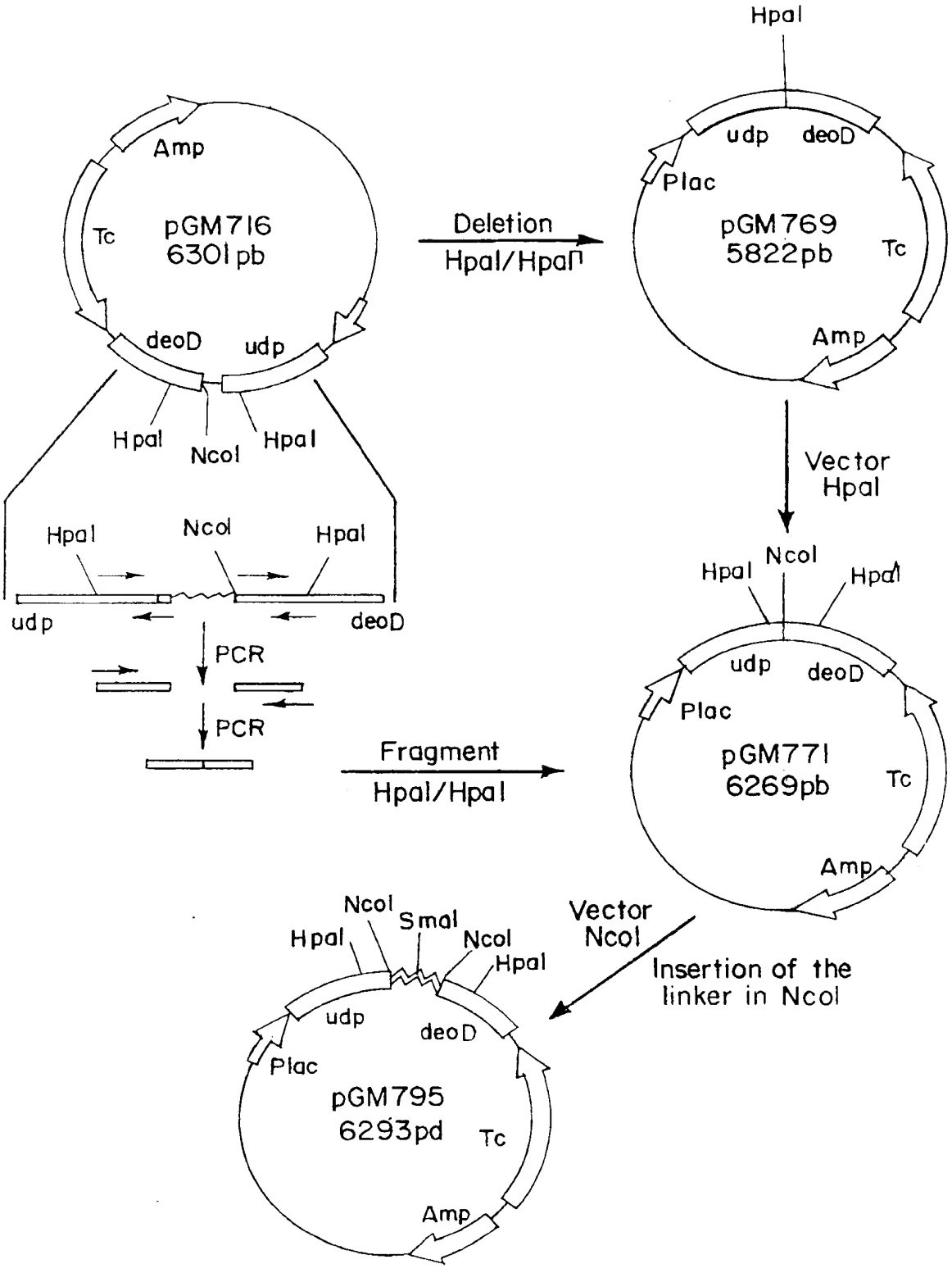

Puc
PCR
pG2119
Fragment
BamHi / SacI
A
A
Vector
BamHi/SacI
SalI
EcoRI
BamHi
BamHi
deoD
S.D.
SacI
Puc
pGM751
3345 pb
Amp
Sac I
udp
PCR
pGM679
SalI
SalI
EcoRI
Hind III
Hind III
BamHi
deoD
udp
S.D.
Fragment
SalI/Hind III
SecI
Puc
pGM800
3934pb
Amp
Vector
SalI / Hind III
Hind III
Hind III
Tc
pHP45Ω-Tc
Vector
Hind III
SalI
EcoRI
Hind III
deoD
udp
BamHi
S.D.
Fragment
Hind III / Hind III
SecI
Puc
pGM807
6046 pb
Tc
Hind III
Amp

FIG. 4


Amp
Tc
pGM716
6301pb
deoD
udp
HpaI
NcoI
HpaI
Deletion
HpaI/HpaI
HpaI
udp
deoD
Plac
pGM769
5822pb
Tc
Amp
Vector
HpaI
HpaI
NcoI
HpaI
udp
deoD
Plac
pGM771
6269pb
Tc
Amp
HpaI
NcoI
HpaI
udp
deoD
PCR
PCR
Fragment
HpaI/HpaI
NcoI
SmaI
NcoI
HpaI
HpaI
udp
deoD
Plac
pGM795
6293pd
Tc
Amp
Vector
NcoI
Insertion of the
linker in NcoI

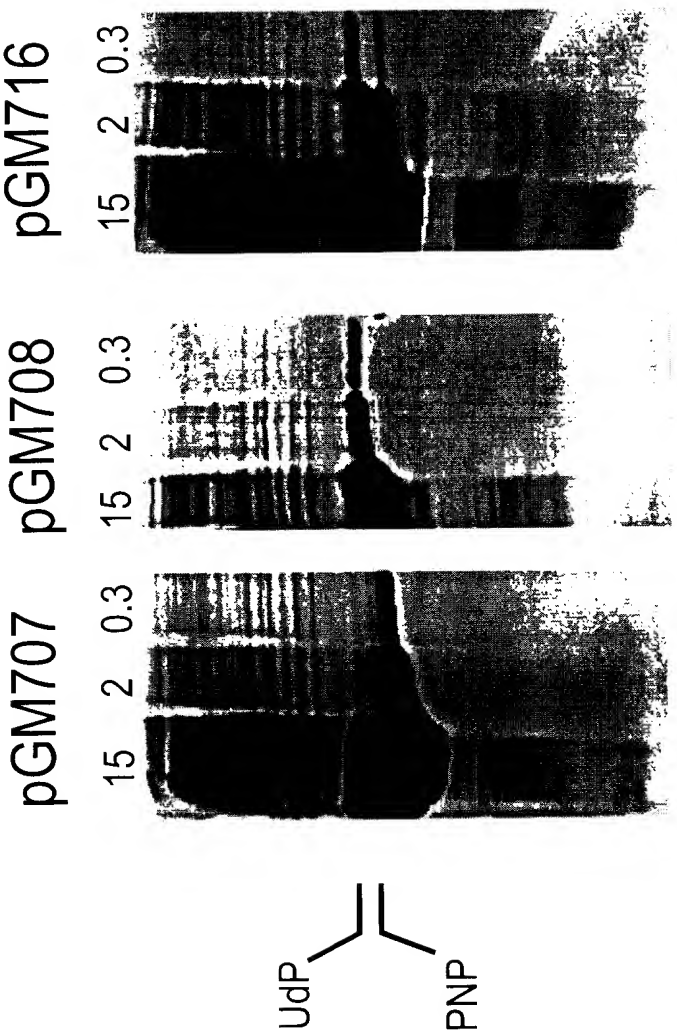



FIG. 5